

Please type a plus sign (+) inside this box →

PTO/SB/05 (11-00)

Approved for use through 10/31/2002. OMB 0651-0032

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.

TI-36575

First Inventor

Kazuaki An

Title

High Reliability Semiconductor joint with Multilayer
Structure

Express Mail Label No.

ER 446521600 US

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents

1. Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original, and a duplicate for fee processing)

2. Applicant claims small entity status.
See 37 CFR 1.27.

3. Specification
(preferred arrangement set forth below)
- Descriptive title of the Invention
- Cross Reference to Related Applications
- Statement Regarding Fed sponsored R & D
- Reference to sequence listing, a table, or a computer program listing appendix
- Background of the Invention
- Brief Summary of the Invention
- Brief Description of the Drawings (if filed)
- Detailed Description
- Claim(s)
- Abstract of the Disclosure

[Total Pages 15]

4. Drawing(s) (35 U.S.C. 113)
Sheets

[Total

4]

5. Oath or Declaration
Pages

[Total

]

a. Newly Executed (original or copy)

b. Copy from a prior application (37 CFR 1.63(d))
(for continuation/divisional with Box 18 completed)

i. DELETION OF INVENTOR(S)

Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).

6. Application Data Sheet. See 37 CFR 1.76

ADDRESS TO:

Mail Stop Patent Application
P.O. Box 1450
Alexandria, VA 22313-1450

7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)

8. Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)

a. Computer Readable Form (CRF)

b. Specification Sequence Listing on:

i. CD-ROM or CD-R (2 copies); or
ii. paper

c. Statements verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

9. Assignment Papers (cover sheet & documents(s))

10. 37 CFR 3.73(b) Statement
(when there is an assignee) Power of Attorney

11. English Translation Document (if applicable)

12. Information Disclosure Statement (IDS)/PTO-1449 Copies of IDS Citations

13. Preliminary Amendment

14. Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)

15. Certified Copy of Priority Document(s)
(if foreign priority is claimed)

16. Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.

17. Other:

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

Continuation Divisional Continuation-in-part (CIP)

of prior application No: _____ / _____

Group / Art Unit: _____

Prior application information: Examiner _____
For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The Incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS



Customer Number or Bar Code Label

23494

(Insert Customer No. or Attach bar code label here)

or

Correspondence address below

NAME

Texas Instruments Incorporated

ADDRESS

CITY

STATE

ZIP CODE

COUNTRY

TELEPHONE

Michael Skrehot 972-917-4371

FAX (972)917-4418

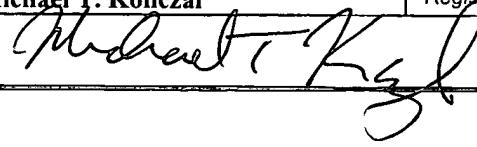
Name (Print/Type)

Michael T. Konczal

Registration No. (Attorney/Agent)

45,475

Signature



Date

11/12/03

22141 U.S. PTO
10/706147





FEE TRANSMITTAL for FY 2004		Complete If Known																																																																																																																																																																																																																												
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ADDITIONAL FEES <table border="1"> <thead> <tr> <th>Fee Code</th> <th>Large Entity Fee (\$)</th> <th>Small Entity Fee (\$)</th> <th colspan="2">Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>1051</td><td>130</td><td>65</td><td colspan="2">Surcharge - late filing fee of oath</td><td></td></tr> <tr><td>1052</td><td>50</td><td>25</td><td colspan="2">Surcharge - late provisional filing fee or cover sheet</td><td></td></tr> <tr><td>1053</td><td>130</td><td>N/A</td><td colspan="2">Non-English specification</td><td></td></tr> <tr><td>1812</td><td>2,520</td><td>N/A</td><td colspan="2">For filing a request for <i>ex parte</i> reexamination</td><td></td></tr> <tr><td>1804</td><td>920*</td><td>N/A</td><td colspan="2">Requesting publication of SIR prior to Examiner action</td><td></td></tr> <tr><td>1805</td><td>1,840*</td><td>N/A</td><td colspan="2">Requesting publication of SIR after Examiner action</td><td></td></tr> <tr><td>1251</td><td>110</td><td>2251</td><td colspan="2">Extension for reply within first month</td><td></td></tr> <tr><td>1252</td><td>420</td><td>2252</td><td colspan="2">Extension for reply within second month</td><td></td></tr> <tr><td>1253</td><td>950</td><td>2253</td><td colspan="2">Extension for reply within third month</td><td></td></tr> <tr><td>1254</td><td>1,480</td><td>2254</td><td colspan="2">Extension for reply within fourth month</td><td></td></tr> <tr><td>1255</td><td>2,010</td><td>2255</td><td colspan="2">Extension for reply within fifth month</td><td></td></tr> <tr><td>1401</td><td>330</td><td>2401</td><td colspan="2">Notice of Appeal</td><td></td></tr> <tr><td>1402</td><td>330</td><td>2402</td><td colspan="2">Filing a brief in support of an appeal</td><td></td></tr> <tr><td>1403</td><td>290</td><td>2403</td><td colspan="2">Request for oral hearing</td><td></td></tr> <tr><td>1451</td><td>1,510</td><td>N/A</td><td colspan="2">Petition to institute a public use proceeding</td><td></td></tr> <tr><td>1452</td><td>110</td><td>2452</td><td colspan="2">Petition to revive - unavoidable</td><td></td></tr> <tr><td>1453</td><td>1,330</td><td>2453</td><td colspan="2">Petition to revive - unintentional</td><td></td></tr> <tr><td>1501</td><td>1,330</td><td>2501</td><td colspan="2">Utility issue fee (or reissue)</td><td></td></tr> <tr><td>1502</td><td>480</td><td>2502</td><td colspan="2">Design issue fee</td><td></td></tr> <tr><td>1503</td><td>640</td><td>2503</td><td colspan="2">Plant issue fee</td><td></td></tr> <tr><td>1460</td><td>130</td><td>N/A</td><td colspan="2">Petitions to the Commissioner</td><td></td></tr> <tr><td>1807</td><td>50</td><td>N/A</td><td colspan="2">Processing fee for provisional applications</td><td></td></tr> <tr><td>1806</td><td>180</td><td>N/A</td><td colspan="2">Submission of information Disclosure Stmt</td><td></td></tr> <tr><td>8021</td><td>40</td><td>N/A</td><td colspan="2">Recording each patent assignment per property (times number of properties)</td><td></td></tr> <tr><td>1809</td><td>770</td><td>2809</td><td colspan="2">Filing a submission after final rejection (37 CFR § 1.129(a))</td><td></td></tr> <tr><td>1810</td><td>770</td><td>2810</td><td colspan="2">For each additional invention to be examined (37 CFR § 1.129(b))</td><td></td></tr> <tr><td>1801</td><td>770</td><td>2801</td><td colspan="2">Request for Continued Examination (RCE)</td><td></td></tr> <tr><td>1802</td><td>900</td><td>N/A</td><td colspan="2">Request for expedited examination of a design application</td><td></td></tr> <tr> <td colspan="2">Other fee (specify)</td> <td colspan="5"></td> </tr> <tr> <td colspan="2">*Reduced by Basic Filing Fee Paid</td> <td colspan="3"></td> <td>SUBTOTAL (3)</td> <td>\$</td> </tr> <tr> <td colspan="2"> **or number previously paid, if greater; For Reissue, see above </td> <td colspan="5"></td> </tr> <tr> <td colspan="2"> SUBMITTED BY </td> <td colspan="5"> Complete (if applicable) </td> </tr> <tr> <td>Name (Print/Type)</td> <td colspan="2">Michael T. Konczal</td> <td>Registration No. (Attorney/Agent)</td> <td>45,475</td> <td>Telephone</td> <td>214-228-3641</td> </tr> <tr> <td>Signature</td> <td colspan="2"> </td> <td colspan="2"></td> <td>Date</td> <td>11/12/03</td> </tr> </tbody></table>					Fee Code	Large Entity Fee (\$)	Small Entity Fee (\$)	Fee Description		Fee Paid	1051	130	65	Surcharge - late filing fee of oath			1052	50	25	Surcharge - late provisional filing fee or cover sheet			1053	130	N/A	Non-English specification			1812	2,520	N/A	For filing a request for <i>ex parte</i> reexamination			1804	920*	N/A	Requesting publication of SIR prior to Examiner action			1805	1,840*	N/A	Requesting publication of SIR after Examiner action			1251	110	2251	Extension for reply within first month			1252	420	2252	Extension for reply within second month			1253	950	2253	Extension for reply within third month			1254	1,480	2254	Extension for reply within fourth month			1255	2,010	2255	Extension for reply within fifth month			1401	330	2401	Notice of Appeal			1402	330	2402	Filing a brief in support of an appeal			1403	290	2403	Request for oral hearing			1451	1,510	N/A	Petition to institute a public use proceeding			1452	110	2452	Petition to revive - unavoidable			1453	1,330	2453	Petition to revive - unintentional			1501	1,330	2501	Utility issue fee (or reissue)			1502	480	2502	Design issue fee			1503	640	2503	Plant issue fee			1460	130	N/A	Petitions to the Commissioner			1807	50	N/A	Processing fee for provisional applications			1806	180	N/A	Submission of information Disclosure Stmt			8021	40	N/A	Recording each patent assignment per property (times number of properties)			1809	770	2809	Filing a submission after final rejection (37 CFR § 1.129(a))			1810	770	2810	For each additional invention to be examined (37 CFR § 1.129(b))			1801	770	2801	Request for Continued Examination (RCE)			1802	900	N/A	Request for expedited examination of a design application			Other fee (specify)							*Reduced by Basic Filing Fee Paid					SUBTOTAL (3)	\$	**or number previously paid, if greater; For Reissue, see above							SUBMITTED BY		Complete (if applicable)					Name (Print/Type)	Michael T. Konczal		Registration No. (Attorney/Agent)	45,475	Telephone	214-228-3641	Signature					Date	11/12/03
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WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231

MICHAEL T. KONCZAL
REGISTERED PATENT ATTORNEY

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PLANO, TEXAS 75086**

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Mike@Patentmike.com

PRACTICE LIMITED TO PATENTS, TRADEMARKS,
AND
U.S. AND FOREIGN INTELLECTUAL PROPERTY MATTERS

November 12, 2003

Via Express Mail: ER 446521600 US

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

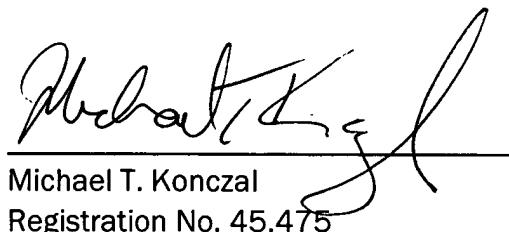
Re: Utility Patent Application For:
High Reliability Solder Joint with Multilayer Structure
Attorney Docket: TI-36575

Dear Sir:

Enclosed for filing please find the following items relating to the above-identified patent application:

- (1) Utility Patent Application Transmittal;
- (2) Specification;
- (3) 4 Sheets of Formal Drawings;
- (3) Fee Authorization/Transmittal Form;
- (4) Declaration and Power of Attorney;
- (5) Assignment; and
- (6) Postcards (2).

Please charge Deposit Account No. 20-0668 in the amount of the total fees set forth. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 20-0668.



Michael T. Konczal
Registration No. 45,475

c: Cindy Dees, Texas Instruments Incorporated